



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Cost Summary Kelly Fish Overlook Sale 341-05-69

District: Coos

Date: 1/5/05

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$942,728.52	\$44,236.72	\$986,965.24
		Project Work	(\$25,904.00)
		Advertised Value	\$961,061.24



Timber Sale Appraisal Timber Description Kelly Fish Overlook Sale 341-05-69

"STEWARDSHIP IN FORESTRY"

District: Coos

Location: Portions of sections 5 and 6, T23S, R10W, W.M., Coos County, Oregon.

Date: 1/5/05

Stand Stocking: 80%

Species	Avg. DBH	Amortized%	Recovery%
Douglas - Fir	24	0	95
Western Hemlock / Fir	16	0	95
Alder (Red)	15	0	90

Volume by Grade	Douglas - Fir	Western Hemlock / Fir	Alder (Red)	Total
3P	70	0	0	70
SM	123	0	0	123
2S	1,155	8	26	1,189
3S	402	108	62	572
Total	1,750	116	88	1,954

Comments: Pond Values Used: 4th Quarter 2004 + Local Pond Values.

29 acre regeneration harvest of 121 year old, mature second growth Douglas-fir sawtimber.



Timber Sale Appraisal Logging Conditions Kelly Fish Overlook Sale 341-05-69

"STEWARDSHIP IN FORESTRY"

Combination#: 1	Douglas - Fir	100.00%	
	Western Hemlock / Fir	100.00%	
	Alder (Red)	100.00%	
Yarding Distance:	Medium (800 ft)		Downhill Yarding: No
Logging System:	Cable: Large Tower >=70		Process: Manual Delimiting
Tree Size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF		
Loads/Day:	14		Bd. Ft./Load: 4,800
Cost/MBF:	\$52.83		
Machines:			
	Log Loader (A)		
	Tower Yarder (Large)		



Timber Sale Appraisal Logging Costs Kelly Fish Overlook Sale 341-05-69

"STEWARDSHIP IN FORESTRY"

Date: 1/5/05

Operating Seasons: 0.2

Profit & Risk: 15%

Project Costs: \$25,904

Other Costs (P/R): \$7,204

Slash Disposal: \$0

Other Costs: \$0

Miles of Road			
Dirt	Rock (Contractor)	Rock (State)	Paved
2.2	0.0	0.0	0.0

Road Maintenance: \$0.00

Hauling Costs

Species	\$/MBF	Trips/Day	MBF/Load
Douglas - Fir	\$0.00	2.0	4.5
Western Hemlock / Fir	\$0.00	2.0	4.5
Alder (Red)	\$0.00	3.0	3.5

Local Pond Values

Date	Species	Grade	Value
1/5/05	Douglas - Fir	3P	\$810.00
1/5/05	Douglas - Fir	SM	\$705.00
1/5/05	Douglas - Fir	2S	\$640.00
1/5/05	Douglas - Fir	3S	\$630.00
1/5/05	Douglas - Fir	4S	\$595.00
1/5/05	Western Hemlock / Fir	2S	\$435.00
1/5/05	Western Hemlock / Fir	3S	\$425.00
1/5/05	Western Hemlock / Fir	4S	\$405.00
1/5/05	Alder (Red)	2S	\$655.00
1/5/05	Alder (Red)	3S	\$615.00
1/5/05	Alder (Red)	4S	\$520.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Logging Costs Breakdown Kelly Fish Overlook Sale 341-05-69

Costs	Douglas - Fir	Western Hemlock / Fir	Alder (Red)
Logging	52.83	52.83	52.83
Road Maintenance	0.69	0.69	0.73
Fire Protection	0.28	0.28	0.28
Hauling	53.79	53.79	48.67
Other (P/R appl.)	3.69	3.69	3.69
Profit & Risk	16.69	16.69	15.93
Slash Disposal	0.00	0.00	0.00
Scaling	2.00	2.00	2.00
Other	0.00	0.00	0.00
Total	129.97	129.97	124.13

Amortization	0.00	0.00	0.00
Pond Value	649.07	425.69	626.82
Stumpage	519.10	295.72	502.69
Amortized	0.00	0.00	0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Summary Kelly Fish Overlook Sale 341-05-69

Amortized

	Douglas - Fir	Western Hemlock / Fir	Alder (Red)
MBF	0.00	0.00	0.00
Value	0.00	0.00	0.00
Total	0.00	0.00	0.00

Unamortized

	Douglas - Fir	Western Hemlock / Fir	Alder (Red)
MBF	1,750.00	116.00	88.00
Value	519.10	295.72	502.69
Total	908,425.00	34,303.52	44,236.72

Gross Timber Sale Value

Recovery \$986,965.24

Prepared by: Jon Haynes

Date: 1/5/05

District: Coos

Phone: (541) 267-1758

Summary of "Other Costs" for Timber Sale Appraisals

Sale Name: Kelly Fish Overlook

Additional "Other Cost" with additional profit and risk to be added:

	<u>Units</u>	<u>Quantity</u>	<u>Cost/unit</u>	<u>Total Cost</u>
Felling				
Locate Corridors and Skid Roads	MBF		\$ 5.00	\$ -
Select Trees and Fall to Lead	MBF		\$ 5.00	\$ -
Small Tree Volume Cost addition	MBF		\$ 10.00	\$ -
Directional Felling/Tree Jacking	MBF	500	\$ 2.00	\$ 1,000.00
Felling of unmerch material	MBF		\$ 1.00	\$ -
Yarding and Loading				
Clear chute at cable settings	MBF		\$ 3.00	\$ -
Brand and paint logs	MBF	1954	\$ 1.00	\$ 1,954.00
Cull sorting/slash piling on landings	landing	2	\$ 125.00	\$ 250.00
Rig lift trees	lift tree	5	\$ 100.00	\$ 500.00
Artificial guy anchors(dozer, skidder)	anchor	4	\$ 500.00	\$ 2,000.00
Log Processing at landing	MBF		\$ 10.00	\$ -
Skid Road Layout	MBF		\$ 5.00	\$ -
Non required Road Construction	Stations			\$ -
Miscellaneous Costs				
Additional fire equipment	Seasons		\$ 2,000.00	\$ -
Maintenance rock per section 54	Cubic Yards		\$ 18.00	\$ -
Safety Flagging and/or signing	per day			\$ -
Tree topping	per tree	15	\$ 100.00	\$ 1,500.00

Total additional "Other Cost" with additional profit and risk to be added

\$ 7,204.00

Additional "Other Cost" with no additional profit and Risk

	<u>Units</u>	<u>Quantity</u>	<u>Cost/unit</u>	<u>Total Cost</u>
Non-required road construction	Stations			\$ -
Non-required road rocking	Cubic Yards			\$ -
Stream clearance	Feet			\$ -
Scaling (high piece count)	MBF		\$ 2.00	\$ -
Grass Seeding and Fertilizing	Ac			\$ -

Total additional "Other Cost" with no additional profit and Risk

\$ -

SUMMARY OF CONSTRUCTION COST

Kelly Fish Overlook

Project No. 1: Landing Construction

Points: C (Area I) Length: n/a Type: n/a

Excavation

Cat excavation	15	hrs at	\$95.00	per hr	\$1,425.00
Excavation	15	hrs at	\$110.00	per hr	\$1,650.00
Laborer	15	hrs at	\$30.00	per hr	\$450.00

Total Excavation \$3,525.00

Hauling

Endhaul to fill area (Points D to E) 15 hrs at \$65.00 per hr \$975.00

Total Hauling \$975.00

Project 1 Total \$4,500.00

Move-in

Equipment	Miles	Mileage Factor	Equipment Allowance	Total
Excavator	30	0.66	\$533.00	\$351.78
D7 Cat	30	0.66	\$387.00	\$255.42
Grader	30	0.66	\$241.00	\$159.06
Dump Truck	30	0.66	\$144.00	\$95.04

Total Move-in \$861.30

Project 1 Cost \$5,362.00

Project 2A: Road Improvement

Points A to F Length: 5940' Type: 14' w/ditch

Smooth Road Surfaces (Grader) 4 hrs at \$75.00 per hour \$300.00

Project 2A Total \$300.00

Project 2B: Road Improvement - Area I

Points B to C Length: 3845' Type: 14' w/o ditch

Pull back near Point B	3	hrs at	\$110.00	per hr	\$330.00
Haul Pull back material to Points D to E	3	hrs at	\$65.00	per hour	\$195.00
Smooth Road Surfaces (Grader)	4	hrs at	\$75.00	per hour	\$300.00

Project 2B Total \$825.00

Project 2C: Road and Landing Improvement - Area II

Points F to H Length: 1890' Type: 14' w/ditch

Remove cutbank slough and small slides	4	hrs at	\$110.00	per hr	\$440.00
Haul slough and slide material to Point F	4	hrs at	\$65.00	per hour	\$260.00
Smooth Road Surfaces (Grader)	2	hrs at	\$75.00	per hour	\$150.00

Project 2C Total \$850.00

SUMMARY OF CONSTRUCTION COST
Kelly Fish Overlook

Project 2 Cost \$1,975.00

Project 3: Skunk Creek Rock Stockpile

Location: 9000/9300 jct
Measured amount: 1330 tons (1000 cubic yards)
Size: 1 1/2" - 0"

Cost per ton at crusher:	\$5.60	per ton
Haul cost per ton (2.9 hr. RT):	\$7.87	per ton
Piling and shaping cost per ton:	\$0.49	per ton

Total cost per ton:	\$13.96	per ton
Total tons:	1330	tons

Total Cost for Stockpile rock: \$18,566.80

Project 3 Cost \$18,567.00

Total Project Costs \$25,904.00

TIMBER SALE SUMMARY

Kelly Fish Overlook

1. Type of Sale: Final Harvest, Recovery, Sealed Bid

2. Boundary Lines: Sale boundaries are marked on the ground with "Timber Sale Boundary" posters, red flagging, and red paint at locations shown on the Exhibit "A".

3. Revenue Distribution: 100% CSL; 100% Coos County

4. Sale Acreage: The sale is comprised of two units totalling approximately 29 acres. Sale acreage was determined from electronic digitizing using the ArcView GIS program and deductions were made for existing interior roads.

	Posted Acres	Interior Road Acres	Net Cruise Acres	Net Harvest Acres
Area 1	13.2	.6	12.6	12.6
Area 2	16.2	.2	16.0	16.0

5. Volume by Species, Fund and County. See Attached table.

6. Grade: (by Percent, Area 1 and 2)

Species	3 Peeler %	Spec. Mill %	2 Saw %	3 Saw %
Douglas-fir	4 %	7 %	66 %	23 %
Hemlock			7 %	93 %
Hardwoods			29 %	71 %

7. Cruise: Area 1 and 2 were variable plot cruised using a nested Big BAF plot method. The Big BAF method is a combination of count plots and individually measured trees. The plots were spaced 75 feet apart on cruise lines spaced 250 feet apart. A 360 BAF full plot at 16 feet was taken to determine which Douglas-fir trees would be fully measured. A total of 44 Douglas-fir trees were fully measured for DBH, height, grade and defect. A 40 BAF full plot at 16 feet was used to determine tree counts and to measure minor species. A total of 106 count plots were measured. Cruising was done in August 2004 by ODF foresters.

A. Summary data (Area 1 and 2):

Diam	Ht. Stand	Form Pt.	Form Factor	CV %	SE %
D4H	6" DIB	Conifer: 16' Hardwood: 16'	Recorded for all cruised trees by estimate and measure	50.1 %	7.7 %

B. Defect and Breakage Summary (Area 1 and 2):

BY PERCENT

SPECIES	CRUISED DEFECT	HIDDEN DEFECT	BREAKAGE	TOTAL %
DOUGLAS FIR	3	4	5	12
HEMLOCK	11	2	2	13
HARDWOODS	0	7	8	15

C. Stand Data (Area 1 and 2):

SPECIES	DBH	TREES/ACRE	BASAL AREA/AC	NET MBF/ACRE
DOUGLAS FIR	24	85	259	60
HEMLOCK	16	24	35	4
HARDWOODS	15	32	42	3

D. Green Tree Retention: There are nine (9) green tree reserve areas associated with this sale. The reserve areas consist primarily of perennial stream buffer extensions and trees left along the seasonal drainages. The majority of the green tree retention is posted out of the sale boundary. There are scattered legacy trees in both Areas 1 and 2 that have been individually red painted and are reserved from cutting. The table below summarizes individual painted reserve trees whose volume has been removed from the cruise.

GTR Area	D-fir Count	D-fir MBF	Hemlock Count	Hemlock MBF	Hdwd Count	Hdwd MBF
AREA A	13	15.6	3	1	--	--
AREA C	4	3.7	5	.9	2	.5
AREA D	1	1.1	3	.9	2	.6
AREA F	5	13.0	3	.6	--	--

8. Timber Description: Timber in the sale area is even-aged and well stocked with mature 121 year-old Douglas-fir sawtimber with significant amounts of western hemlock and of red alder. Timber quality is good.

9. Topography: Area 1 has a fairly uniform south aspect with slopes from 60 to over 80 percent. Area 2 has north, west, and south aspects with slopes 70 percent or greater. The sale area borders on Fish Creek, a large Type F perennial stream and on two unnamed Type N perennial streams. The streams and drainages within the posted sale boundary are classed as Type N seasonals. In accordance to the Northwest Riparian Strategy, stream buffers have been posted along most drainages exhibiting a channel whether flowing or dry. Buffer lengths extend to encompass at least 75 percent of the length of most drainages. Buffer widths per side can range in size from 50 feet to over 160 feet in order to capture the required number of trees (15 trees/1000 feet of reach for Type N seasonals, 40 trees/1000 feet for Type N perennials, 115 trees/1000 feet for Type F). In accordance to the Elliott HCP, all buffer trees on Type N seasonals are counted as green tree retention, as well as buffer trees above 100 feet on Type F streams and buffer trees above 50 feet on Type N perennials. Locations of stream buffers and green tree retention areas are indicated on the Exhibit "A".

10. Logging Method: Existing roads access landing locations in both Areas 1 and 2. The sale area will be cable logged uphill from landings at Points C and G. Final determination of landing locations and logging method must give priority to protection of stream buffers and green tree retention areas. Full suspension will be required while yarding over drainages and stream buffers, and full suspension will be maintained where possible over the remainder of the sale. Single end suspension will be utilized where full suspension is not possible. Both Area 1 and 2 are intended for dry season operation. Purchaser must comply with winter and wet weather option if operations are conducted during the wet season.

11. Access: To access the timber sale area from the north, take the Mill Creek County Road toward Loon Lake from State Highway 38. Continue to the the Cougar Pass Road (7700) into the Elliott State Forest. At the top of the 7700 road turn west onto the 7000 and continue to the 7600 road. Head south on the 7600 to the 7650 road. Continue on the 7650 road to the 7655 road. The 7655 road is blocked to all vehicle traffic except for ATV's. Area 1 is located approximately ½ mile in on the 7655. Area 2 is located further down the 7650, turn right at the 2nd rock spur and continue to the end. To access the sale area from the west, take the Lakeside exit off Highway 101, continue east on North Lake Road to the 4000 road (Benson Ridge Road). Continue on the 4000 road for 7.5 miles to the 2000 road. Continue north on the 2000 to the junction with the 7000. Take the 7000 east to the 7600 road.

12. Projects: See attached "Project Cost Summary Sheet"

Project No. 1: Landing Construction

Project No. 2: Road and Landing Improvement

Project No. 3: Rock Stockpile Delivery

NET VOLUMES AND ACREAGE

Kelly Fish Overlook

SALE AREA & SPECIES		Tree cnt. 100% Units	NET VOLUMES (MBF)							
			By County and Fund						Total Vols.	Vol. per Acre
Areas	Spec		Coos			Douglas				
		FRA	FDf	Total	FRA	FDf	Total			
1-2	D-fir		1750		1750			0	1750	60.3
	Hem		116		116			0	116	4.0
	Hdwd		88		88			0	88	3.0
TOTALS			1954	0	1954	0	0	0	1954	

TOTAL SALE VOLUME BY SPECIES

Douglas-fir 1750 MBF
 Hemlock 116 MBF
 Hdwd 88 MBF

Report by: J. Haynes

Date: 10/15/2004

Unit For. Flowing Hill Oct 15, 04

Asst. Dist. For. Doug Kreininger Date 11/4/2004

NO INGROWTH INCLUDED.

NET HARVEST ACREAGE BY COUNTY (to nearest acre)

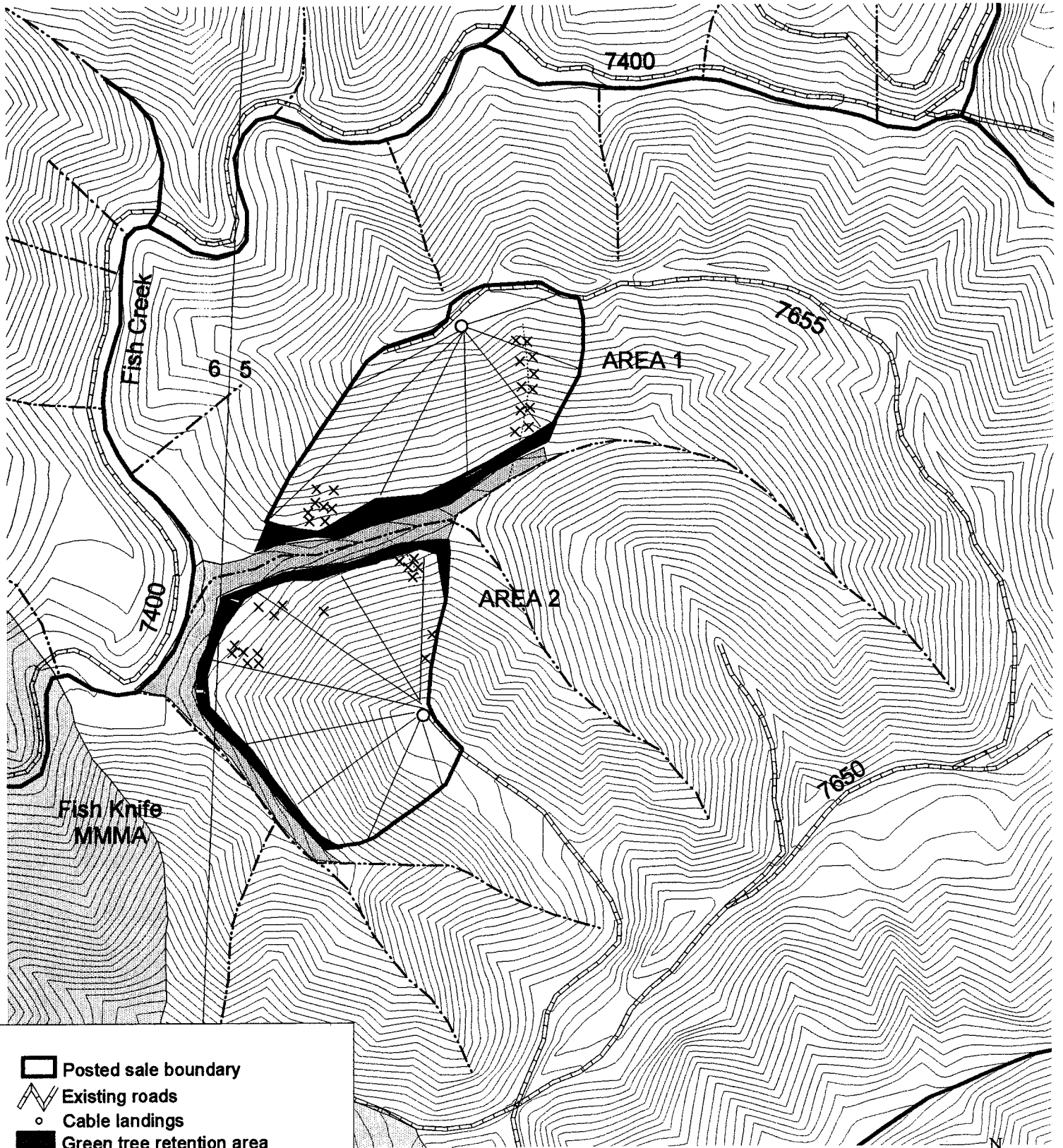
Sale Area	Coos County						Douglas County						TOTAL ACRES
	FRA			FDf			FRA			FDf			
	Conifer		Hard wood	Conifer		Hard woods	Conifer		Hard woods	Conifer		Hard woods	
	cc	pc		cc	pc		cc	pc		cc	pc		
1-2	29												29
SUM	29	0	0	0	0	0	0	0	0	0	0	0	29











cc- clearcut

pc- partial cut

FDf- Forest Development Fund

FRA- Forest Revenue Account



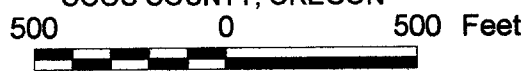
-  Posted sale boundary
-  Existing roads
-  Cable landings
-  Green tree retention area
-  Individual green tree retention
-  Streambuffer
-  Type F stream
-  Type N perennial stream
-  Seasonal other channels
-  Marbled murrelet management area

LOGGING PLAN

OF TIMBER SALE CONTRACT NO.
341-05-69
KELLY FISH OVERLOOK
PORTIONS OF SECTIONS 5 AND 6
T23S, R10W, WM
COOS COUNTY, OREGON

APPROXIMATE ACRES
AREA 1: 13 ACRES
AREA 2: 16 ACRES

TOTAL: 29 NET HARVEST ACRES



APPROX. SCALE: 1" = 500'
CONTOUR INTERVAL: 20'



WRITTEN PLAN

SALE NAME: Kelly Fish Overlook

LOCATION: Portions of Sections 5 and 6, T23S R10W, Coos County, Oregon

LANDOWNER: Oregon Department of Forestry; 63612 Fifth Road, Coos Bay, Or.

CONTRACT PURCHASER: _____

NOTIFICATION NO: _____

SITUATION AND PROTECTED RESOURCE

Area 2 is adjacent to the middle reach of Fish Creek, a medium Type F stream (steelhead, coho, native cutthroat).

LAYOUT

Landings locations have been provided to enable deflection for suspension of logs while yarding the sale area.

FELLING AND BUCKING

1. Trees shall be directionally felled parallel to or away from stream riparian management areas (RMA's) as feasible.
2. High stumps shall be left as needed to prevent logs from entering stream channels as shown on the Exhibit "A"..

YARDING

1. Operator will use a machine and logging system capable of fully suspending logs.
2. Operator will fully suspend logs when sufficient deflection is available.
3. Any corridors needed within the RMA will be spaced a minimum of 100 feet apart.

SLOPE PROTECTION. Purchaser shall establish or maintain plant species that will enhance slope stability in harvested areas where needed to minimize the risk of erosion.

O.D.F. REPRESENTATIVE

DATE: _____

PURCHASER REPRESENTATIVE

DATE: _____

OPERATOR REPRESENTATIVE (if listed on notification)

DATE: _____